

The diagram illustrates a control system for a power plant. It features a main feedback loop and two parallel paths. The main loop starts at block 6, goes through block 13, then block 8, and block 4. At block 7, there is a summing junction where signals from block 4 and block 14 are combined. The output of block 7 goes through block 5 and block 1 to block 2. The output of block 2 is fed back to block 6. Two parallel paths branch off from block 8: one goes through block 9 to block 10 (labeled 'M/A'), and the other goes through block 11. Both block 10 and block 11 feed back into block 6. Various signals are labeled with numbers 1 through 15.

Figure 1 consists of three vertically stacked plots, labeled A, B, and C, sharing a common horizontal time axis t .

- Plot A:** The vertical axis is labeled u . It shows a high-frequency oscillating signal. A period of oscillation is marked as ΔT between two vertical dashed lines.
- Plot B:** The vertical axis is labeled j . It shows a lower-frequency oscillating signal.
- Plot C:** The vertical axis is labeled n . It shows a signal that starts at 0, increases linearly to a constant value, and then remains constant. The region under the curve is shaded. Two vertical dashed lines mark times T_1 and T_2 on the time axis.

Fig 2